

## **CLAIMS**

What is claimed is:

1. A method of creating a dynamic storage pool for data recovery, comprising:  
determining an amount of an available storage area;  
identifying storage capabilities of the available storage area;  
selecting a protection policy scheme for replication of an application server data based on the identified storage capabilities;  
provisioning a volume from the available storage area for the application server data; and  
replicating the application server data based on the selected protection policy scheme for storage to the available storage area.
2. The method of claim 1, wherein identifying storage capabilities further comprises:  
identifying storage capacity of the available storage area; and  
identifying storage performance of the available storage area.
3. The method of claim 2, wherein the available storage area is comprised of at least one storage volume.
4. The method of claim 1, wherein the protection policy scheme is selected based on a user decision.
5. The method of claim 1, wherein the protection policy scheme includes at least one protection policy template.

6. The method of claim 1, wherein provisioning a volume from the available storage area further comprises:

selecting the volume based on an identified storage capacity and storage performance of the available storage area.

7. The method of claim 6, wherein provisioning a volume from the available storage area occurs when each application server is deployed.

8. The method of claim 1, wherein replicating the application server data occurs for each application server deployed.

9. A storage management and data recovery system, comprising:

at least one application server to generate data;

an available storage area to backup the data generated by the at least one application server; and

a storage controller that determines an amount of an available storage area, identifies storage capabilities of the available storage area, selects a protection scheme for the data generated from the at least one application server, provisions a selected volume from the available storage area for the application server data, manages replication of the data generated from the at least one application server based on the selected protection policy scheme, and creates a storage pool of data replicated from the data generated from the at least one application server.

10. The system of claim 9, wherein the storage controller identifies storage capabilities of the available storage area by further identifying storage capacity of the available storage area, and identifying storage performance of the available storage area.
11. The system of claim 10, wherein the available storage area is comprised of at least one storage volume.
12. The system of claim 9, wherein the storage controller selects the protection policy scheme based on a user decision.
13. The system of claim 9, wherein the protection policy scheme includes of at least one protection policy template.
14. The system of claim 9, wherein the storage selects the volume to provision based on an identified storage capacity and storage performance of the available storage area.
15. The system of claim 14, wherein provisioning a volume from the available storage area occurs when each application server is deployed.
16. The system of claim 9, wherein replicating the application server data occurs for each application server deployed.

17. A set of instructions residing in a storage medium, said set of instructions capable of being executed by a processor to implement a method creating a dynamic storage pool for data recovery, comprising:

- determining an amount of an available storage area;
- identifying storage capabilities of the available storage area;
- selecting a protection policy scheme for replication of an application server data based on the identified storage capabilities;
- provisioning a volume from the available storage area for the application server data; and
- replicating the application server data based on the selected protection policy scheme for storage to the available storage area.

18. The set of instructions of claim 17, wherein identifying storage capabilities further comprises:

- identifying storage capacity of the available storage area; and
- identifying storage performance of the available storage area.

19. The set of instructions of claim 18, wherein the available storage area is comprised of at least one storage volume.

20. The set of instructions of claim 17, wherein the protection policy scheme is selected based on a user decision.

21. The set of instructions of claim 17, wherein the protection policy scheme includes at least one protection policy template.

22. The set of instructions of claim 17, wherein provisioning a volume from the available storage area further comprises:

selecting the volume based on an identified storage capacity and storage performance of the available storage area.

23. The set of instructions of claim 22, wherein provisioning a volume from the available storage area occurs when each application server is deployed.

24. The set of instructions of claim 17, wherein replicating the application server data occurs for each application server deployed.

25. In a data recovery management system including at least one application server generating data to an available storage area connected to a storage controller, a method of recovering data from a storage pool, comprising:

selecting a protection policy scheme for replication of the generated data;

determining a storage volume from the available storage area to be used for replicating the generated data;

provisioning the volume for the generated data;

replicating the data according to the selected protection policy scheme; and

recovering the data from the replicated data.

26. The method of claim 25, wherein the protection policy scheme is selected based on a user decision.

27. The method of claim 25, wherein determining a storage volume to be used for replicating the generated data comprises:

identifying storage capacity of the available storage area; and

identifying storage performance of the available storage area.

28. The method of claim 25, wherein the protection policy scheme includes at least one protection policy template.

29. The method of claim 28, wherein recovering the data from the replicated data further comprises:

managing the replicated data according to the selected protection policy scheme; and

selecting from among the at least one protection policy template for recovery the data.